

3.2 DRINKING INVOLVEMENT

This section presents a series of data displays which identify drinking involvement in Missouri's traffic crash experience. Drinking-involved traffic crashes are defined as any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. Data displays also are presented which identify characteristics of the drinking driver or pedestrian involved in these traffic crashes.

There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. Under-reporting exists for a number of reasons. First, symptoms of drinking may be masked from the investigating officer. The person's physical instability may be attributed to the shock of being in a crash or resulting physical injuries rather than to intoxication. Second, the investigating officer may not have an opportunity to observe or interview the person for an extended time period in cases where they require immediate medical attention and are transported from the scene. Finally, in cases where the investigating officer does determine a person has been drinking, there may not be enough evidence to indicate that their intoxicated condition contributed to the cause of the traffic crash. As a result, the apparent problem of under-reporting should be taken into consideration when evaluating data presented in this section.

1999 SUMMARY ANALYSIS

- o Of all 1999 Missouri traffic crashes, 4.6% were drinking related. Of all fatal traffic crashes, 20.9% were drinking related. A total of 217 persons were killed and 6,283 were injured in drinking-related traffic crashes.
- o There was a decrease of 2.7% in the rate of change when comparing total 1999 drinking-related traffic crashes with those in 1998. There also was a decrease of 17.6% when comparing 1999 fatal drinking-related traffic crashes with 1998.
- o In 1999, one person was killed or injured in drinking-related traffic crashes every 1.3 hours in the State of Missouri.
- o Of all drinking-related traffic crashes, 60.0% occurred on Friday, Saturday, or Sunday and 65.2% occurred between 7:00 P.M. and 2:59 A.M.
- o Of the persons drinking in 1999 traffic crashes, 98.7% were driving a motorized vehicle, 0.1% were driving a non-motorized vehicle, and 1.2% were pedestrians.
- o Of the drinking drivers of motorized vehicles, 81.9% were male and 18.1% were female. The average age of drinking drivers of motorized vehicles was 33.4 years.
- o All of the drinking drivers of non-motorized vehicles were male. The average age was 40.6 years.
- o Of the drinking pedestrians, 80.6% were male and 19.4% were female. The average age of drinking pedestrians was 35.7 years.
- o Of the drinking drivers of motorized and non-motorized vehicles involved in 1999 crashes, 57.6% were driving an automobile, 28.1% were driving a pickup truck, and 7.3% were driving a sport utility vehicle at the time of the crash.

1999 MISSOURI TRAFFIC CRASHES

DRINKING INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		DRINKING DRIVERS / PEDESTRIANS ²	
									KILLED	INJURED	KILLED	INJURED
DRINKING INVOLVED	196	20.9	3,977	8.2	4,208	3.1	8,381	4.6	217	6,283	120	3,187
NO DRINKING INVOLVED	741	79.1	44,811	91.8	129,860	96.9	175,412	95.4	847	69,614	-	-
UNKNOWN ³	27	-	1,835	-	8,235	-	10,097	-	30	2,420	-	-
TOTAL	964	100.0	50,623	100.0	142,303	100.0	193,890	100.0	1,094	78,317	120	3,187

¹This statistic indicates the total number of persons killed and injured in a crash where one or more drivers or pedestrians were drinking.

²This statistic indicates the number of drinking drivers or pedestrians killed and injured.

³Crashes were classified as unknown if there was no indication that drinking was involved and the contributing circumstances of one or more drivers or pedestrians were not known.

TABLE 3.2.1

1998 and 1999 DRINKING-INVOLVED CRASH ANALYSIS

	1998	1999	RATE OF CHANGE
FATAL	238	196	- 17.6
PERSONAL INJURY	3,992	3,977	- 0.4
PROPERTY DAMAGE	4,382	4,208	- 4.0
TOTAL	8,612	8,381	- 2.7

TABLE 3.2.2

1999 DRINKING-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	4	0.1	11	0.3	15	0.2
BICYCLIST	0	0.0	10	0.3	2	0.1	12	0.1
FIXED OBJECT	93	47.5	1,954	49.1	1,858	44.2	3,905	46.6
OTHER OBJECT	0	0.0	16	0.4	28	0.7	44	0.5
PEDESTRIAN	10	5.1	116	2.9	3	0.1	129	1.5
TRAIN	1	0.5	4	0.1	1	0.0	6	0.1
VEHICLE IN TRANSPORT	61	31.1	1,265	31.8	1,466	34.8	2,792	33.3
VEHICLE ON OTHER ROADWAY	3	1.5	9	0.2	7	0.2	19	0.2
PARKED VEHICLE	4	2.0	189	4.8	637	15.1	830	9.9
NONCOLLISION OVERTURN	22	11.2	379	9.5	158	3.8	559	6.7
NONCOLLISION OTHER	2	1.0	31	0.8	37	0.9	70	0.8
TOTAL	196	100.0	3,977	100.0	4,208	100.0	8,381	100.0

TABLE 3.2.3

1999 DRINKING-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	44	22.5	1,581	39.8	2,209	52.5	3,834	45.8
RURAL	152	77.5	2,396	60.2	1,999	47.5	4,547	54.2
TOTAL	196	100.0	3,977	100.0	4,208	100.0	8,381	100.0

TABLE 3.2.4

1999 DRINKING-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	123	62.8	2,802	70.7	3,274	79.4	6,199	74.8
CURVE	73	37.2	1,160	29.3	852	20.6	2,085	25.2
UNKNOWN	0	-	15	-	82	-	97	-
TOTAL	196	100.0	3,977	100.0	4,208	100.0	8,381	100.0

TABLE 3.2.5

1999 DRINKING-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	85	43.6	2,396	60.6	2,886	70.2	5,367	65.0
HILL	107	54.9	1,483	37.5	1,176	28.6	2,766	33.5
CREST	3	1.5	76	1.9	51	1.2	130	1.5
UNKNOWN	1	-	22	-	95	-	118	-
TOTAL	196	100.0	3,977	100.0	4,208	100.0	8,381	100.0

TABLE 3.2.6

1999 DRINKING-INVOLVED CRASHES
ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	176	89.8	3,424	86.2	3,464	82.5	7,064	84.5
WET	19	9.7	501	12.6	627	14.9	1,147	13.7
SNOW	0	0.0	25	0.6	56	1.3	81	1.0
ICE	1	0.5	19	0.5	43	1.0	63	0.8
MUD	0	0.0	2	0.1	7	0.2	9	0.1
UNKNOWN	0	-	6	-	11	-	17	-
TOTAL	196	100.0	3,977	100.0	4,208	100.0	8,381	100.0

TABLE 3.2.7

1999 DRINKING-INVOLVED CRASHES
HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	27	13.8	382	9.6	383	9.1	792	9.5
U.S. HIGHWAY	31	15.8	445	11.2	367	8.7	843	10.1
STATE NUMBERED	38	19.4	694	17.5	602	14.3	1,334	15.9
SINGLE STATE LETTERED	39	19.9	503	12.7	309	7.3	851	10.2
DOUBLE STATE LETTERED	16	8.2	201	5.1	139	3.3	356	4.3
OUTER ROAD	2	1.0	46	1.2	43	1.0	91	1.1
COUNTY ROAD	16	8.2	663	16.7	620	14.7	1,299	15.5
CITY STREET	25	12.8	960	24.1	1,614	38.4	2,599	31.0
INTERSTATE LOOP	1	0.5	15	0.4	13	0.3	29	0.4
OTHER ¹	1	0.5	68	1.7	118	2.8	187	2.2
TOTAL	196	100.0	3,977	100.0	4,208	100.0	8,381	100.0

¹ "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.2.8

1999 DRINKING-INVOLVED CRASHES

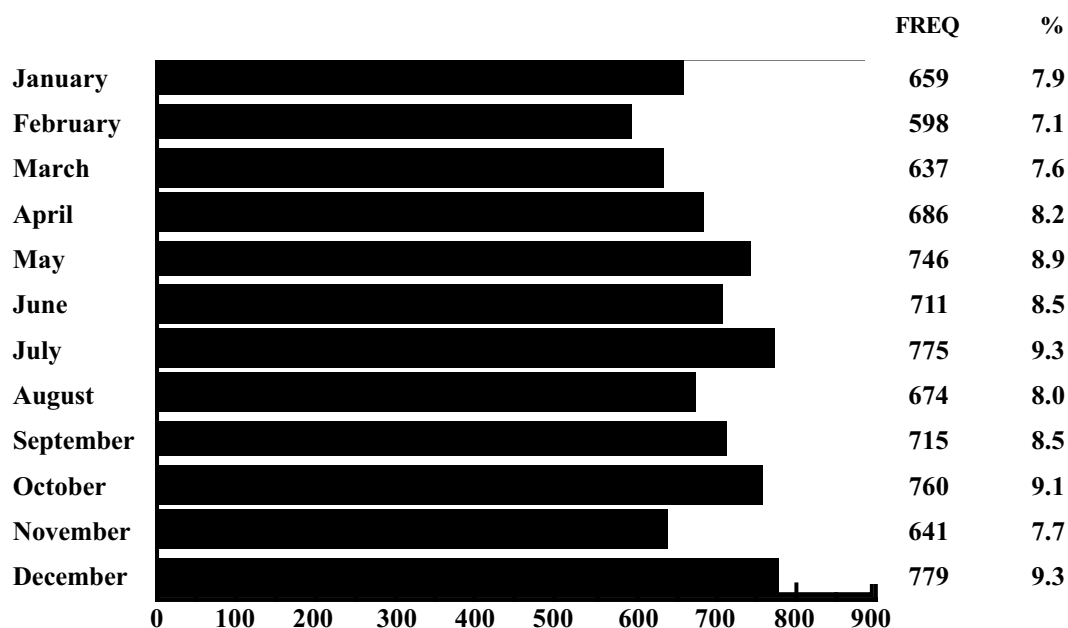
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	10	22.7	219	13.9	223	10.1	452	11.8	17	11.2	163	6.8	160	8.0	340	7.5
U.S. HIGHWAY	5	11.4	167	10.6	157	7.1	329	8.6	26	17.1	278	11.6	210	10.5	514	11.3
STATE NUMBERED	4	9.1	158	10.0	195	8.8	357	9.3	34	22.4	536	22.4	407	20.4	977	21.5
SINGLE STATE LETTERED	0	0.0	41	2.6	40	1.8	81	2.1	39	25.7	462	19.3	269	13.5	770	16.9
DOUBLE STATE LETTERED	1	2.3	14	0.9	12	0.5	27	0.7	15	9.9	187	7.8	127	6.4	329	7.2
OUTER ROAD	0	0.0	20	1.3	28	1.3	48	1.3	2	1.3	26	1.1	15	0.8	43	1.0
COUNTY ROAD	1	2.3	56	3.5	81	3.7	138	3.6	15	9.9	607	25.3	539	27.0	1,161	25.5
CITY STREET	22	50.0	855	54.1	1,394	63.1	2,271	59.2	3	2.0	105	4.4	220	11.0	328	7.2
INTERSTATE LOOP	1	2.3	13	0.8	9	0.4	23	0.6	0	0.0	2	0.1	4	0.2	6	0.1
OTHER ¹	0	0.0	38	2.4	70	3.2	108	2.8	1	0.7	30	1.3	48	2.4	79	1.7
TOTAL	44	100.0	1,581	100.0	2,209	100.0	3,834	100.0	152	100.0	2,396	100.0	1,999	100.0	4,547	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.2.9

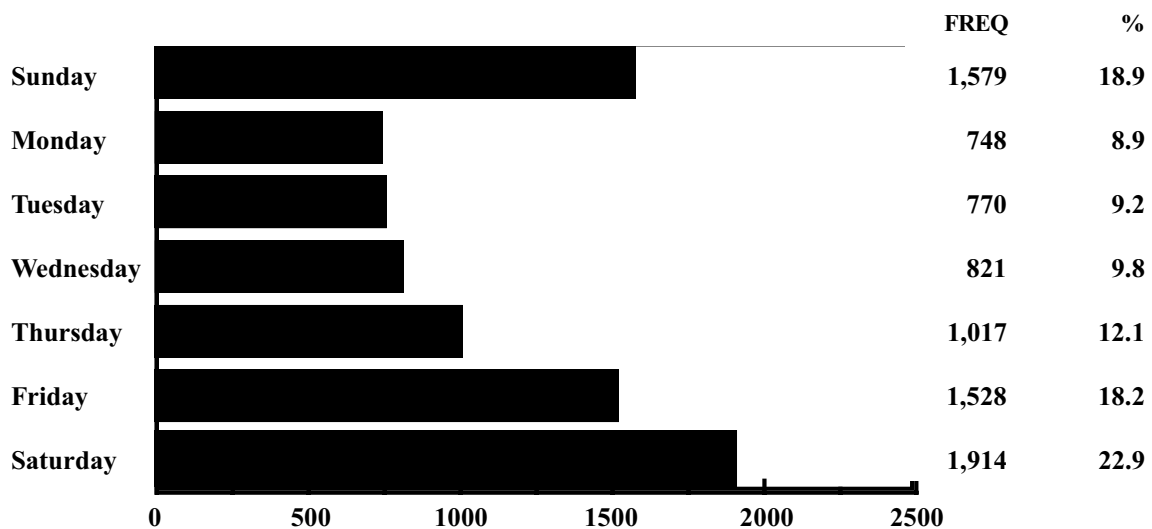
1999 MISSOURI DRINKING-INVOLVED CRASHES MONTH OF YEAR



FREQUENCY

FIGURE 3.2.1

1999 MISSOURI DRINKING-INVOLVED CRASHES DAY OF WEEK

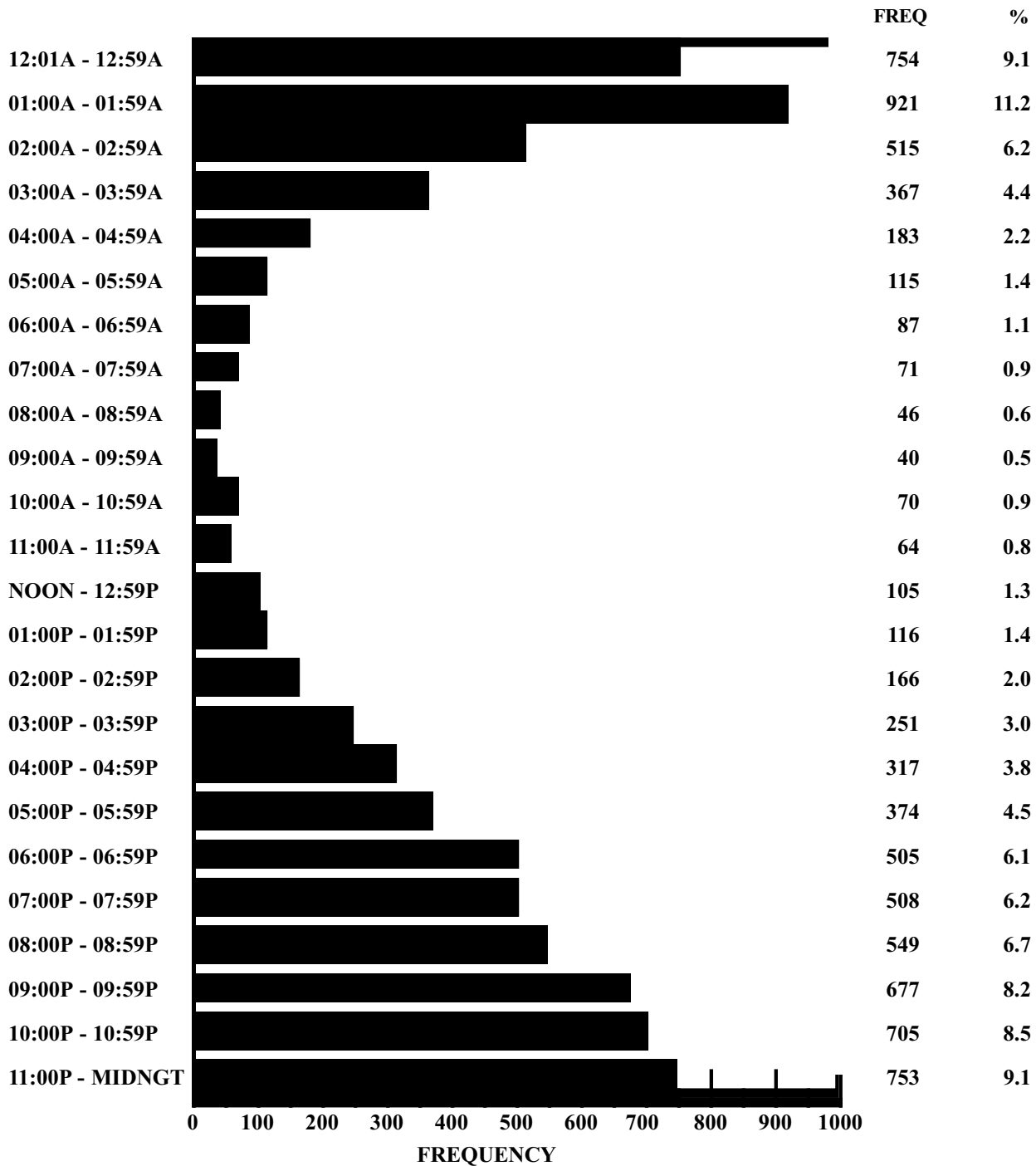


FREQUENCY

Unknown Data Not Included

FIGURE 3.2.2

1999 MISSOURI DRINKING-INVOLVED CRASHES HOUR OF DAY



Unknown Data Not Included

FIGURE 3.2.3

PERSONS DRINKING IN 1999 MISSOURI CRASHES

PERSON TYPE AND SEX BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE								
DRIVERS MOTORIZED VEHICLES	165	81.3	3,181	79.3	3,112	73.6	6,458	76.5
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	5	0.1	3	0.1	8	0.1
PEDESTRIANS	7	3.4	69	1.7	3	0.1	79	0.9
FEMALE								
DRIVERS MOTORIZED VEHICLES	27	13.3	674	16.8	726	17.2	1,427	16.9
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	1	0.5	18	0.4	0	0.0	19	0.2
SEX UNKNOWN								
DRIVERS MOTORIZED VEHICLES	3	1.5	65	1.6	383	9.1	451	5.3
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	203	100.0	4,012	100.0	4,227	100.0	8,442	100.0

TABLE 3.2.10

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 1999 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	32.8	-	32.8	-	34.0	-	33.4	-
15 YEARS AND UNDER	0	0.0	8	0.2	3	0.1	11	0.1
16 - 20 YEARS	37	19.4	630	16.5	559	14.5	1,226	15.6
21 - 25 YEARS	25	13.1	695	18.2	641	16.6	1,361	17.3
26 - 30 YEARS	35	18.3	504	13.2	488	12.7	1,027	13.0
31 - 35 YEARS	25	13.1	505	13.2	524	13.6	1,054	13.4
36 - 40 YEARS	19	10.0	530	13.8	587	15.2	1,136	14.4
41 - 45 YEARS	22	11.5	398	10.4	403	10.5	823	10.5
46 - 50 YEARS	9	4.7	234	6.1	261	6.8	504	6.4
51 - 55 YEARS	6	3.1	153	4.0	161	4.2	320	4.1
56 - 60 YEARS	10	5.2	73	1.9	93	2.4	176	2.2
61 - 65 YEARS	1	0.5	41	1.1	53	1.4	95	1.2
66 YEARS AND OVER	2	1.1	58	1.5	80	2.1	140	1.8
UNKNOWN	4	-	91	-	368	-	463	-
TOTAL	195	100.0	3,920	100.0	4,221	100.0	8,336	100.0

TABLE 3.2.11

DRIVERS OF NON-MOTORIZED VEHICLES DRINKING IN 1999 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	0.0	-	37.8	-	45.3	-	40.6	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
26 - 30 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
31 - 35 YEARS	0	0.0	2	40.0	0	0.0	2	25.0
36 - 40 YEARS	0	0.0	1	20.0	1	33.3	2	25.0
41 - 45 YEARS	0	0.0	2	40.0	1	33.3	3	37.5
46 - 50 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
51 - 55 YEARS	0	0.0	0	0.0	1	33.3	1	12.5
56 - 60 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
61 - 65 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
66 YEARS AND OVER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	0	0.0	5	100.0	3	100.0	8	100.0

TABLE 3.2.12

PEDESTRIANS DRINKING IN 1999 MISSOURI CRASHES

AGE OF PEDESTRIAN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	44.0	-	35.1	-	27.5	-	35.7	-
15 YEARS AND UNDER	0	0.0	2	2.4	0	0.0	2	2.2
16 - 20 YEARS	0	0.0	12	14.5	0	0.0	12	12.9
21 - 25 YEARS	1	12.5	5	6.0	1	50.0	7	7.5
26 - 30 YEARS	0	0.0	12	14.5	0	0.0	12	12.9
31 - 35 YEARS	1	12.5	8	9.6	1	50.0	10	10.8
36 - 40 YEARS	2	25.0	14	16.9	0	0.0	16	17.2
41 - 45 YEARS	0	0.0	18	21.7	0	0.0	18	19.4
46 - 50 YEARS	1	12.5	3	3.6	0	0.0	4	4.3
51 - 55 YEARS	2	25.0	5	6.0	0	0.0	7	7.5
56 - 60 YEARS	0	0.0	2	2.4	0	0.0	2	2.2
61 - 65 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
66 YEARS AND OVER	1	12.5	2	2.4	0	0.0	3	3.2
UNKNOWN	0	-	4	-	1	-	5	-
TOTAL	8	100.0	87	100.0	3	100.0	98	100.0

TABLE 3.2.13

DRIVERS OF MOTORIZED AND NON-MOTORIZED VEHICLES DRINKING IN 1999 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	95	48.7	2,217	56.5	2,476	59.1	4,788	57.6
SPORT UTILITY VEHICLE	14	7.2	292	7.4	303	7.2	609	7.3
VAN / SMALL BUS	8	4.1	192	4.9	204	4.9	404	4.9
BUS	0	0.0	1	0.0	1	0.0	2	0.0
SCHOOL BUS	0	0.0	0	0.0	1	0.0	1	0.0
MOTORCYCLE	2	1.0	58	1.5	12	0.3	72	0.9
MOPED	0	0.0	3	0.1	3	0.1	6	0.1
BICYCLE	0	0.0	5	0.1	2	0.1	7	0.1
MOTOR HOME / CAMPER	0	0.0	0	0.0	1	0.0	1	0.0
FARM EQUIPMENT	0	0.0	1	0.0	0	0.0	1	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	1	0.0	1	0.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.0	3	0.1	4	0.1
PICKUP TRUCK	72	36.9	1,119	28.5	1,142	27.3	2,333	28.1
OTHER TRUCKS	3	1.5	20	0.5	42	1.0	65	0.8
ALL TERRAIN VEHICLE	1	0.5	14	0.4	0	0.0	15	0.2
UNKNOWN	0	-	2	-	33	-	35	-
TOTAL	195	100.0	3,925	100.0	4,224	100.0	8,344	100.0

TABLE 3.2.14

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 1999 MISSOURI CRASHES

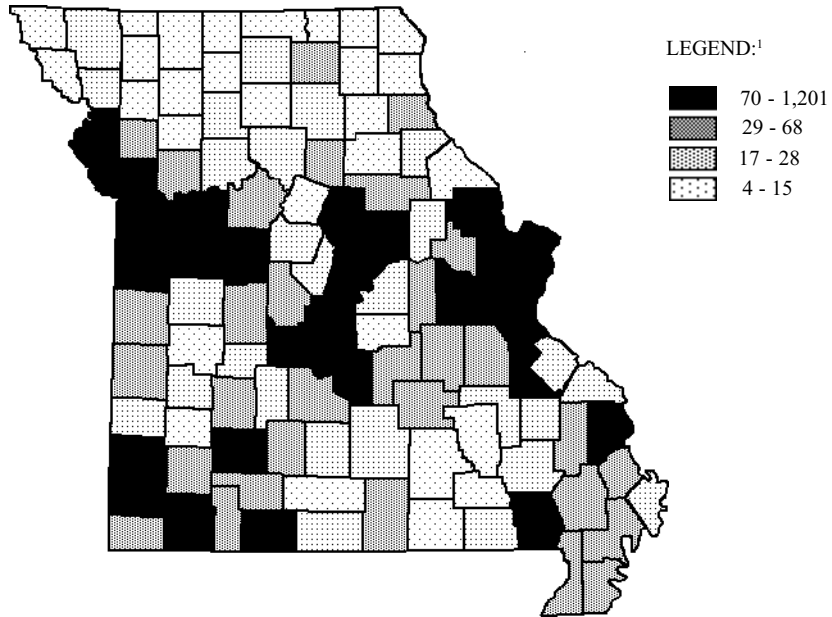
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	3	1.6	15	0.4	15	0.4	33	0.4
FOR HIRE	9	4.7	84	2.3	90	2.5	183	2.4
OPERATOR'S LICENSE	117	61.6	2,528	68.7	2,626	72.7	5,271	70.4
MOTORCYCLE ONLY	0	0.0	0	0.0	2	0.1	2	0.0
COMMERCIAL DRIVER'S LICENSE	10	5.3	135	3.7	123	3.4	268	3.6
SUBTOTAL	139	73.2	2,762	75.0	2,856	79.0	5,757	76.9
OUT STATE								
LEARNER'S PERMIT	0	0.0	3	0.1	4	0.1	7	0.1
FOR HIRE	0	0.0	1	0.0	4	0.1	5	0.1
OPERATOR'S LICENSE	18	9.5	344	9.3	292	8.1	654	8.7
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	19	0.5	24	0.7	43	0.6
SUBTOTAL	18	9.5	367	10.0	324	9.0	709	9.5
UNLICENSED	33	17.4	553	15.0	434	12.0	1,020	13.6
UNKNOWN	5	-	238	-	607	-	850	-
TOTAL	195	100.0	3,920	100.0	4,221	100.0	8,336	100.0

TABLE 3.2.15

1999 DRINKING-INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	1,201	14.3	21.0	BUTLER	79	0.9
2.0	ST. LOUIS	1,055	12.6	22.5	JOHNSON	78	0.9
3.0	GREENE	374	4.5	22.5	LINCOLN	78	0.9
4.0	ST. LOUIS CITY	367	4.4	24.5	BARRY	75	0.9
5.0	ST. CHARLES	358	4.3	24.5	PULASKI	75	0.9
6.0	JEFFERSON	308	3.7	26.0	MILLER	74	0.9
7.0	CLAY	247	2.9	27.0	PETTIS	72	0.9
8.0	BUCHANAN	195	2.3	28.0	LAFAYETTE	70	0.8
9.0	BOONE	191	2.3				First Quartile
10.0	FRANKLIN	177	2.1				Second Quartile
11.0	JASPER	150	1.8	29.5	CHRISTIAN	68	0.8
12.0	COLE	122	1.5	29.5	MC DONALD	68	0.8
13.0	CAPE GIRARDEAU	109	1.3	31.5	CRAWFORD	67	0.8
14.0	PLATTE	102	1.2	31.5	PHELPS	67	0.8
15.0	TANEY	100	1.2	33.0	LAWRENCE	63	0.8
16.0	CASS	98	1.2	34.0	STONE	56	0.7
17.5	CALLAWAY	87	1.0	35.0	SCOTT	53	0.6
17.5	NEWTON	87	1.0	37.5	MARION	51	0.6
19.5	CAMDEN	80	1.0	37.5	MORGAN	51	0.6
19.5	ST. FRANCOIS	80	1.0				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
37.5	PEMISCOT	51	0.6	78.0	ANDREW	21	0.3
37.5	RANDOLPH	51	0.6	78.0	MISSISSIPPI	21	0.3
40.0	HOWELL	50	0.6	78.0	STE. GENEVIEVE	21	0.3
41.0	SALINE	49	0.6	80.0	MONTGOMERY	20	0.2
42.0	LACLEDE	47	0.6	81.5	BARTON	18	0.2
43.5	DUNKLIN	46	0.5	81.5	IRON	18	0.2
43.5	POLK	46	0.5	84.5	CARROLL	17	0.2
45.0	NEW MADRID	44	0.5	84.5	CHARITON	17	0.2
46.0	AUDRAIN	40	0.5	84.5	HICKORY	17	0.2
47.0	STODDARD	37	0.4	84.5	SULLIVAN	17	0.2
48.0	WASHINGTON	36	0.4	Third Quartile			
49.0	BENTON	35	0.4	Fourth Quartile			
50.0	WARREN	34	0.4	88.5	DAVIESS	15	0.2
52.0	CLINTON	32	0.4	88.5	DE KALB	15	0.2
52.0	RAY	32	0.4	88.5	PIKE	15	0.2
52.0	VERNON	32	0.4	88.5	REYNOLDS	15	0.2
54.0	BATES	31	0.4	91.5	OREGON	14	0.2
55.5	BOLLINGER	30	0.4	91.5	ST. CLAIR	14	0.2
55.5	DENT	30	0.4	94.0	CARTER	13	0.2
58.0	ADAIR	29	0.3	94.0	HOWARD	13	0.2
58.0	GASCONADE	29	0.3	94.0	MONROE	13	0.2
58.0	WEBSTER	29	0.3	98.5	ATCHISON	11	0.1
Second Quartile				98.5	DOUGLAS	11	0.1
Third Quartile				98.5	LEWIS	11	0.1
60.0	PERRY	28	0.3	98.5	LINN	11	0.1
62.5	DALLAS	27	0.3	98.5	MARIES	11	0.1
62.5	LIVINGSTON	27	0.3	98.5	SCOTLAND	11	0.1
62.5	TEXAS	27	0.3	102.5	HOLT	10	0.1
62.5	WAYNE	27	0.3	102.5	SHANNON	10	0.1
67.0	CEDAR	26	0.3	105.0	CALDWELL	9	0.1
67.0	COOPER	26	0.3	105.0	GRUNDY	9	0.1
67.0	HENRY	26	0.3	105.0	HARRISON	9	0.1
67.0	OSAGE	26	0.3	108.5	DADE	7	0.1
67.0	RIPLEY	26	0.3	108.5	GENTRY	7	0.1
70.0	WRIGHT	25	0.3	108.5	KNOX	7	0.1
71.0	RALLS	24	0.3	108.5	PUTNAM	7	0.1
72.5	MACON	23	0.3	111.5	CLARK	6	0.1
72.5	MADISON	23	0.3	111.5	SHELBY	6	0.1
75.0	MONITEAU	22	0.3	113.5	MERCER	5	0.1
75.0	NODAWAY	22	0.3	113.5	SCHUYLER	5	0.1
75.0	OZARK	22	0.3	115.0	WORTH	4	0.0

TABLE 3.2.16

1999 DRINKING-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	834	18.8
2.0	ST. LOUIS	367	8.3
3.0	SPRINGFIELD	281	6.3
4.0	INDEPENDENCE	201	4.5
5.0	ST. JOSEPH	164	3.7
6.0	COLUMBIA	114	2.6
7.0	ST. CHARLES	102	2.3
8.0	LEE'S SUMMIT	77	1.7
9.0	JOPLIN	75	1.7
10.0	MARYLAND HEIGHTS	67	1.5
11.0	JEFFERSON CITY	61	1.4
12.5	CAPE GIRARDEAU	57	1.3
12.5	ST. PETERS	57	1.3
14.0	BLUE SPRINGS	56	1.3
15.0	FLORISSANT	47	1.1
16.0	O'FALLON	44	1.0
17.0	BRIDGETON	40	0.9
18.5	CHESTERFIELD	39	0.9
18.5	RAYTOWN	39	0.9
20.5	SEDALIA	36	0.8
20.5	TOWN AND COUNTRY	36	0.8
22.0	GRANDVIEW	35	0.8
23.0	NORTH KANSAS CITY	34	0.8
24.5	ARNOLD	31	0.7
24.5	HANNIBAL	31	0.7
26.0	HAZELWOOD	30	0.7
27.0	WARRENSBURG	27	0.6
28.0	FERGUSON	26	0.6
29.0	UNIVERSITY CITY	25	0.6
30.0	WASHINGTON	24	0.5
31.5	GLADSTONE	23	0.5
31.5	POPLAR BLUFF	23	0.5
33.0	SIKESTON	22	0.5
34.5	FULTON	21	0.5
34.5	RICHMOND HEIGHTS	21	0.5

¹Percentage is based on drinking-involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.2.17

MISSOURI FATAL AND PERSONAL INJURY DRINKING-INVOLVED CRASHES ANNUAL TIME SERIES

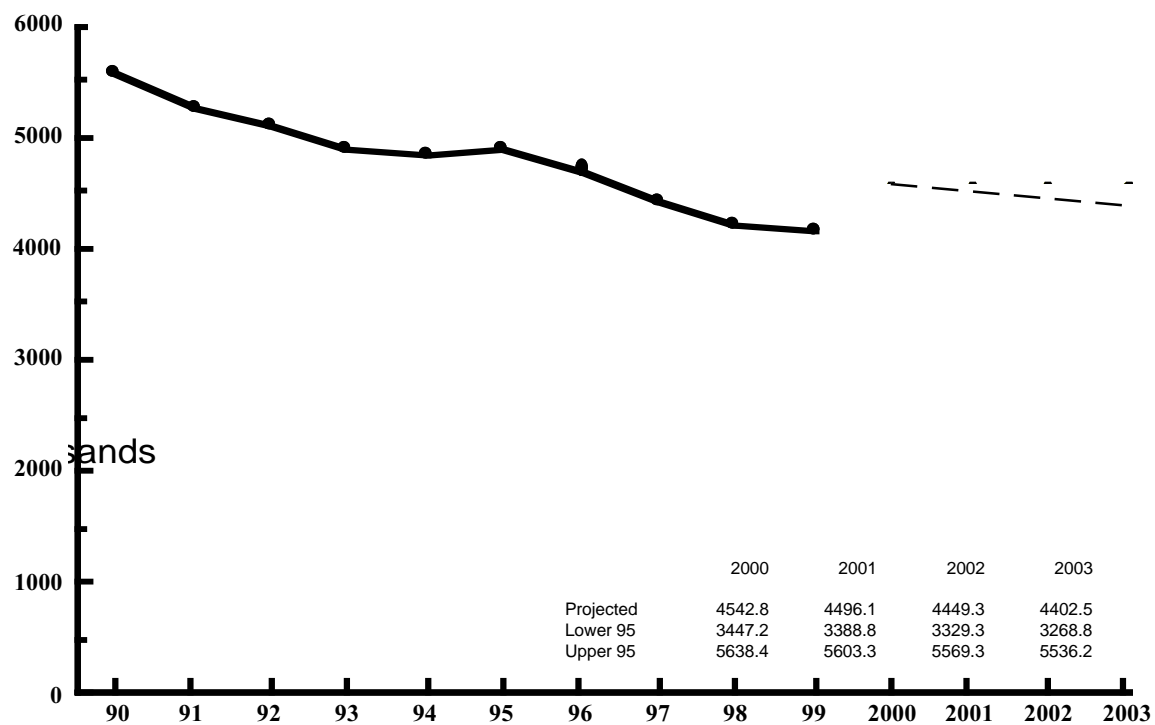


FIGURE 3.2.4